

PHENIX WEEKLY PLANNING

5/15/2008

Don Lynch

Shutdown '08 Schedule

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Shutdown Prep

Mu Trigger, RPC Prototype Installation,
New Beampipe, CM Crane, Sta. 1 and MMN

Scaffolding Reviews

RPC Prototype C tests (in tent)

Install/field fit CM access stairs

Build MMN scaffolding

Build Sta. 1 N. scaffolding

MuTr Decapacitations (Sta. 1 N and MMN)

RPC Prototype D tests (in tent)

Design RPC installation fixtures &

MuTrigger FEE platforms

RICH air control move to DC Rack

Prep work for Mutrgr platforms (water/elec)

Prep work for RPC proptotype install

move (7) MuID pipes

move gap 5 south cable tray

End of run Party



Done

All Done, Action Items in progress

in progress

in progress

5/13

5/26

6/2

Apr-May

In progress

Done?

May-June

May-June

May 30

Shutdown '08 Schedule, cont'd

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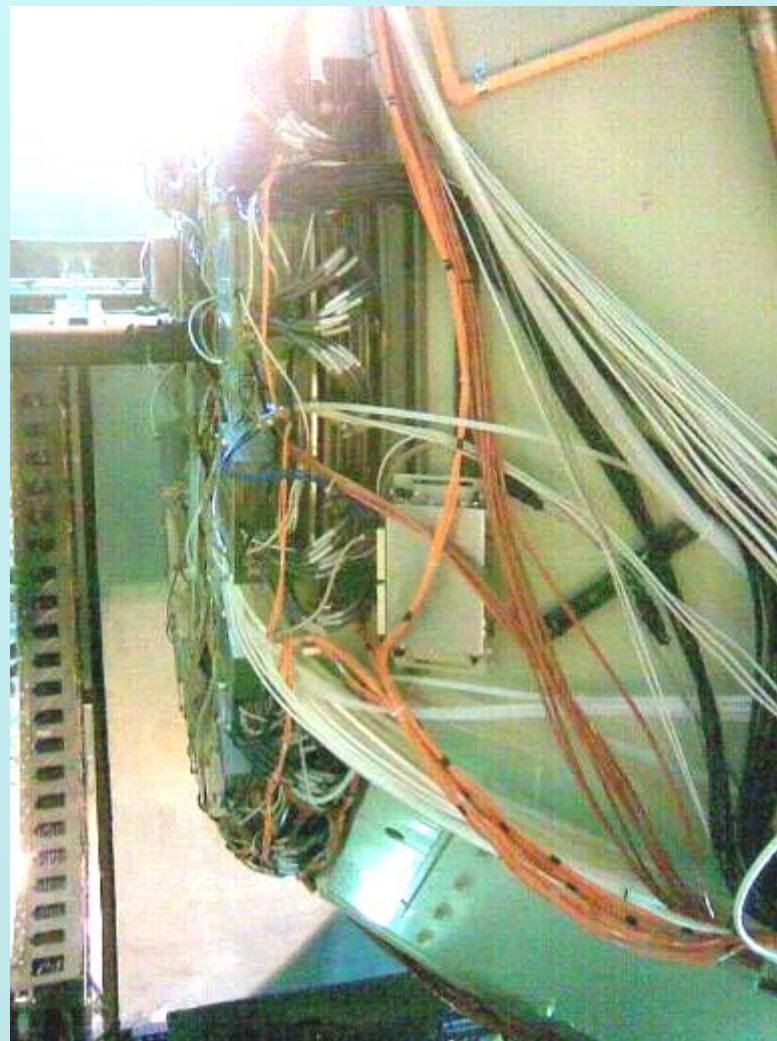
Prep RPC Proto, MuTrggr FEE N&S Racks Apr-July	
Install CM Crane Channel Supports	Oct.
RPC engineering & safety review	mid June
MuTrigger FEE N Install	July - Aug.
Install MuTrigger N cooling water & air	July - Aug.
HBD Install	July-October
RPC prototype gas system	July - Aug
Move shielding for RPC prototype installation	July - Aug
RPC prototype cable routing & support	July - Aug
Modify crystal palace & vapor barrier	July - Aug
Install MuTrigger FEE N platform&Rack	July 15 - Aug 1
RPC prototype install	Aug.- Sep. (RPC2 - PHENIX) (RPC3 - C. Pearson)
Install RPC prototype rack in tunnel south	Aug. 1-29
Install Mutrigger FEE's in MMS for RPC test	Aug. 1-29
Install MuTrigger FEE South platform	Aug. 1-29
Install MuTrgr S rack cooling & electric	Aug. 1-29
Replace tunnel shielding	Nov. (C. Pearson)
Connect electronics/gas/water/air for RPC	Sep. - Nov.
Install MuTrigger N& S racks	Sep. - Nov
CM Crane Install	Oct.
PC1 west work (needs planning)	Sep. - Nov.
DC East?/West Repairs	Oct. - Nov.

Shutdown '08 Schedule, cont'd

Remove all inst'n equipment(e.g. scaffolds)	Oct. - Nov
Gap 5 north piping and cable tray re-loc.	Oct. - Dec.
Gap 2 north cable tray & crate re-mounts	Oct. - Dec
Fan Tray maintenance	Oct. - Dec.
Prep for shutdown 2009	Nov. - Dec
Prep for run 9	Dec
Close shield wall start shifts	Dec.
Start physics	Jan 1

Station 1 MuTrigger FEE's

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Shutdown '08 Electrician Work

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- 1) Install 30KVA UPS in Rack Room.
 - a) Remove existing 15kva UPS and relocate smaller 3KVA Safety System UPS.
 - b) Install new 30KVA UPS, 30 min. reserve capacity battery cabinet and maintenance bypass breaker box along west rack room wall.
 - c) Remove existing #6 UPS feeder cable and replace with larger #2 gauge cable (175 ft. run from feeder breaker to UPS and UPS to load distribution panel).
- 2) Install HVAC cooling and/or fan power circuits into RPC tent. Install fans/cooling units.
- 3) Run Power to new MuTrgr FEE racks on MMN and MMS
- 4) Install HVAC cooling and/or fan power circuits into RPC tent. Install fans/cooling units.
- 5) Install power and signal cable tray (ceiling suspended) for new DCM rack row - north of existing DCM racks.
- 6) Assist in signal cable installation for MuTr/RPC upgrades as necessary.
- 7) Upgrade power capacity of Central Magnet power distribution for future bridge rack loads.
 - a) Remove existing 15KVA transformer and install 45KVA unit.
 - b) Install new (larger size) power cable from rack room to Central Magnet distribution breaker panels.
- 8) Install power feeds to RPC north & south tunnel racks from IR power panels.

NOTE: MuTr north power panel has no available breakers to feed north tunnel racks (south panel has spare breakers for use). More engineering analysis is required to determine if the north power panel should be increased in size or for installation of a sub panel branch can be accomplished.
- 9) Install 120 volt AC power drops into new control room annunciator alarm rack (rack room).

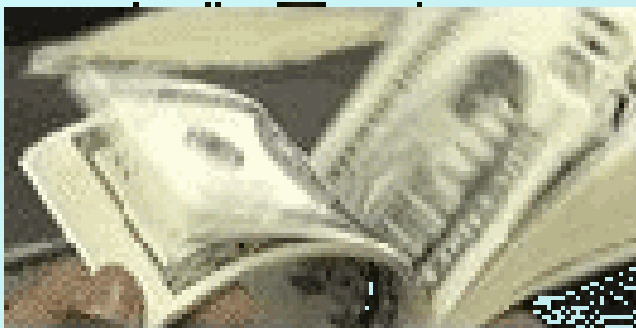
Work Permit Requirements

- Standard Shutdown Commencement tasks (covered by approved procedures) Done
- MuTrigger FEE Upgrade (North & South) & MuTr Decaps, (including confined space for MMS & MMN and scaffold installation) done, waiting for approval
- CM Crane Installation
- RPC Prototype Installation
- HBD re-installation
- MuTrigger FEE rack platform installation
- PC1 Repairs
- (More will be needed – to be added to the list as appropriate)

Shutdown Work \$\$\$

PHENIC Engineering and Technical Support Group

Spending priorities meeting last Friday

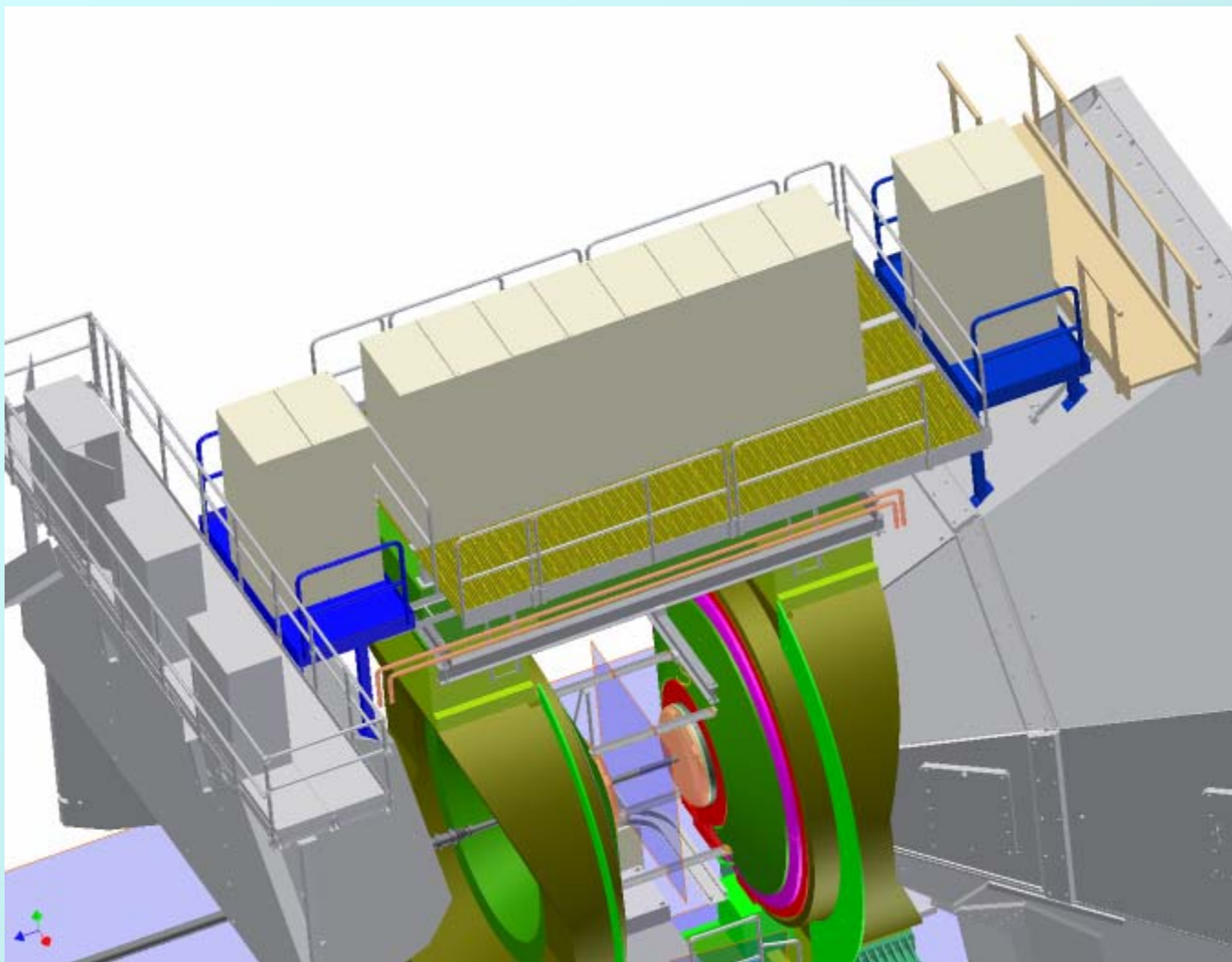


Updates due Friday, Spreadsheets by tomorrow

Projects Include:

1. CM Crane
2. New 40 mm ID beampipe
3. RPC Factory
4. RPC Prototype Installation
5. RPC Final Installation
6. MuTrigger FEE Upgrade
7. CM Access Stairs
8. MuTr Decapitations
9. Gas House Reorganization maintenance
10. Bridge Rework
11. HBD Re-installation
12. DC East & West Repairs
13. PC1 Repair
14. Rack room UPS upgrade
15. Bridge Power upgrade
16. Rack Room Update
17. Detector Rack Fan tray replacement
18. Safety System Upgrade
19. Cooling Water system upgrade
20. DAQ/Trigger Upgrade
21. DCM II Development
22. VTX support
23. FVTX support
24. NCC support

MuTrgr North FEE Rack Platform

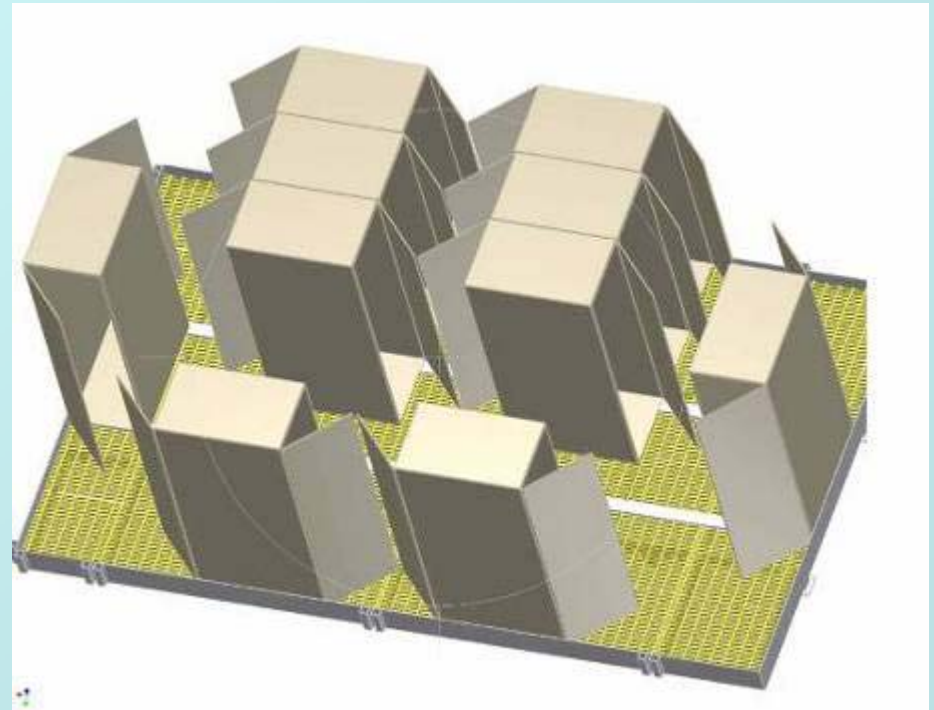
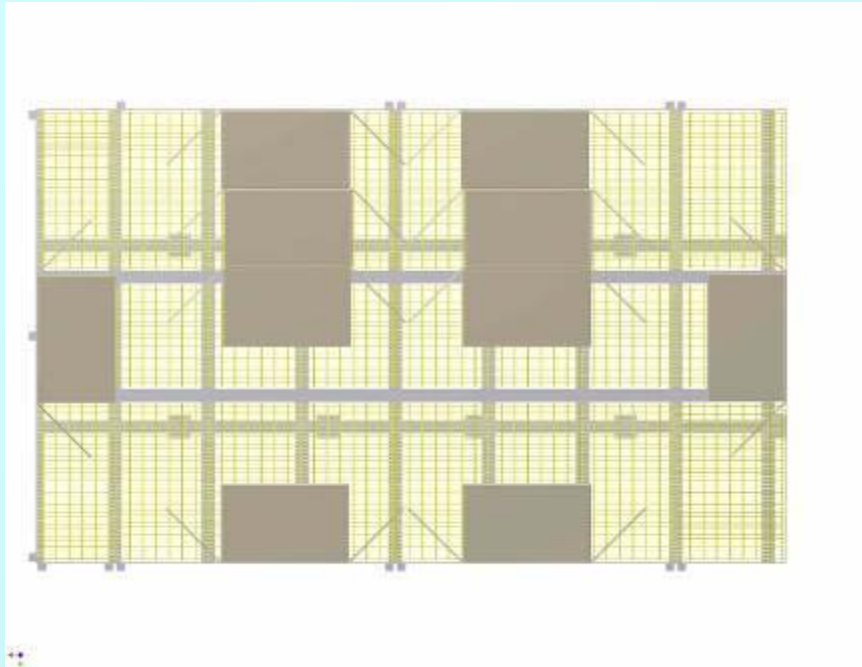


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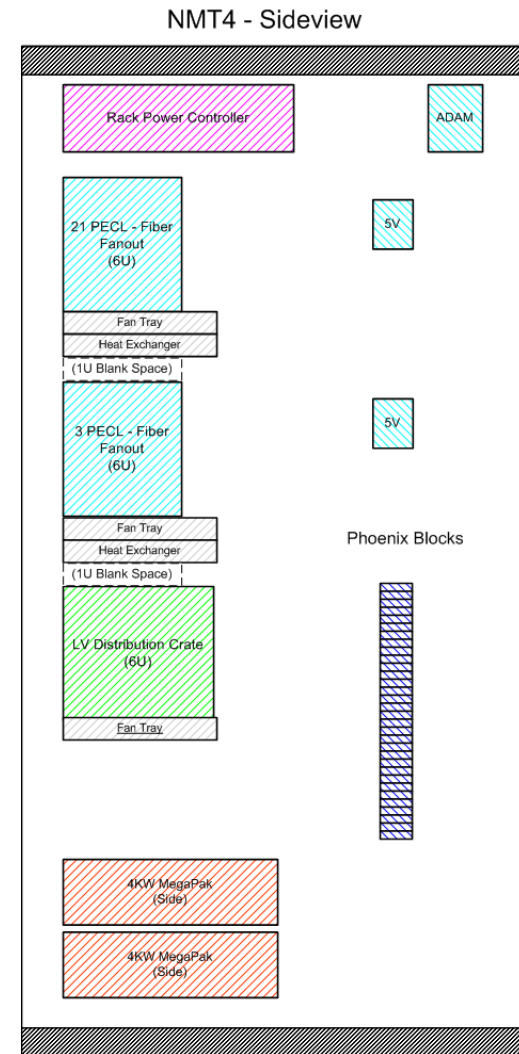
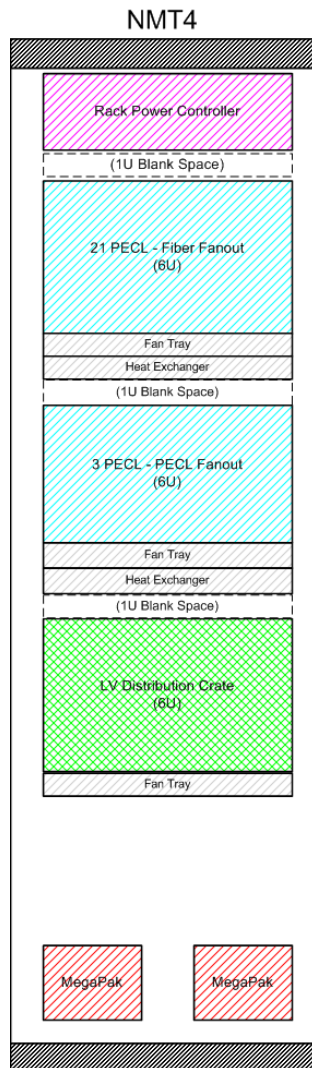
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Bridge Rack Platform

Exploring alternative configurations
To maximize utilization of the bridge

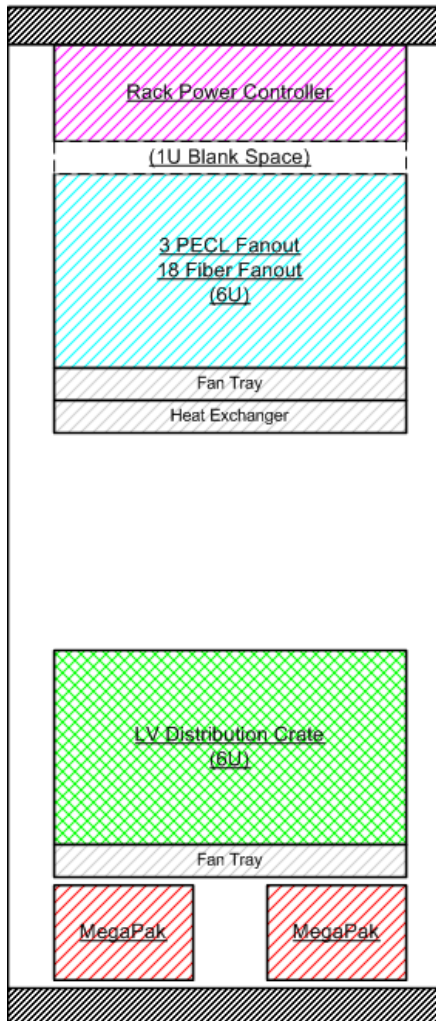


MuTrigger North Rack

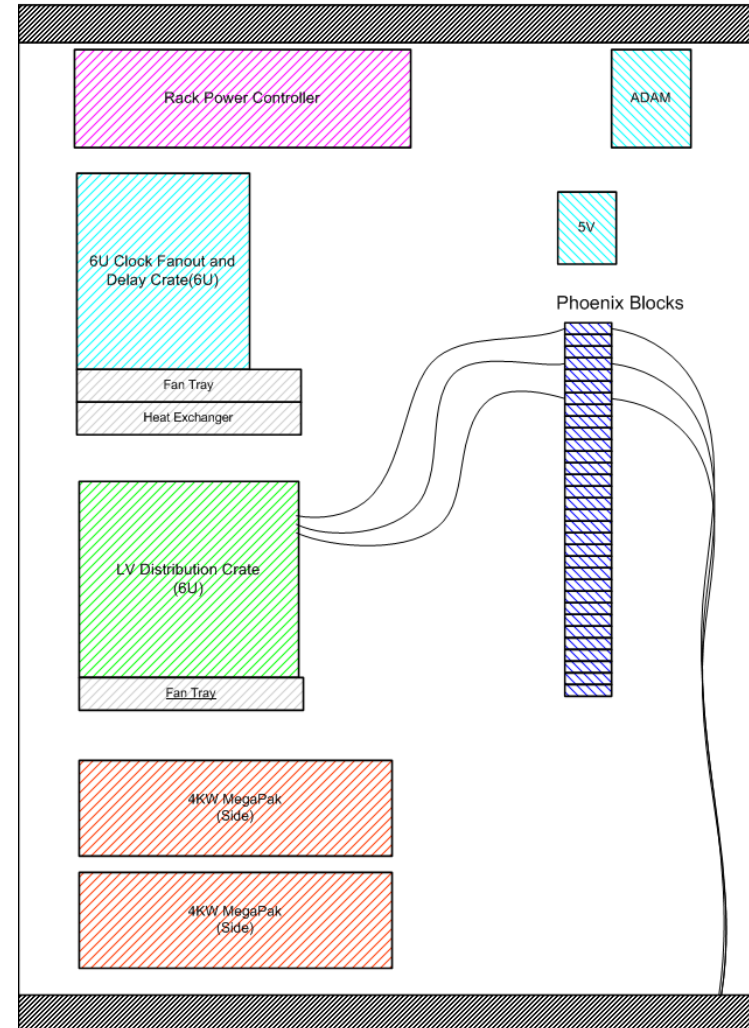


MuTrigger South Rack

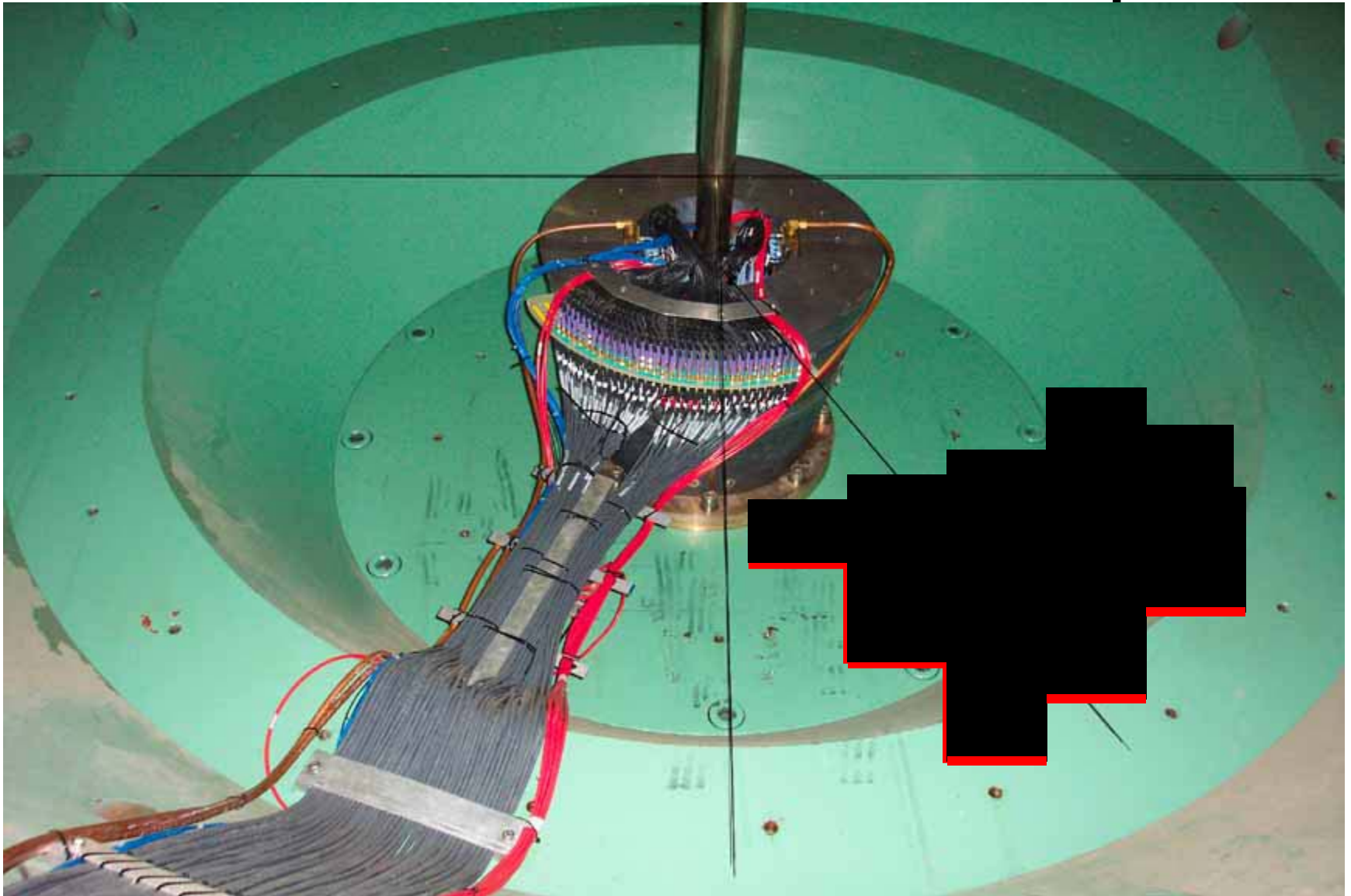
SMT4



SMT4
(Sideview)



Shelf & Pb brick concept

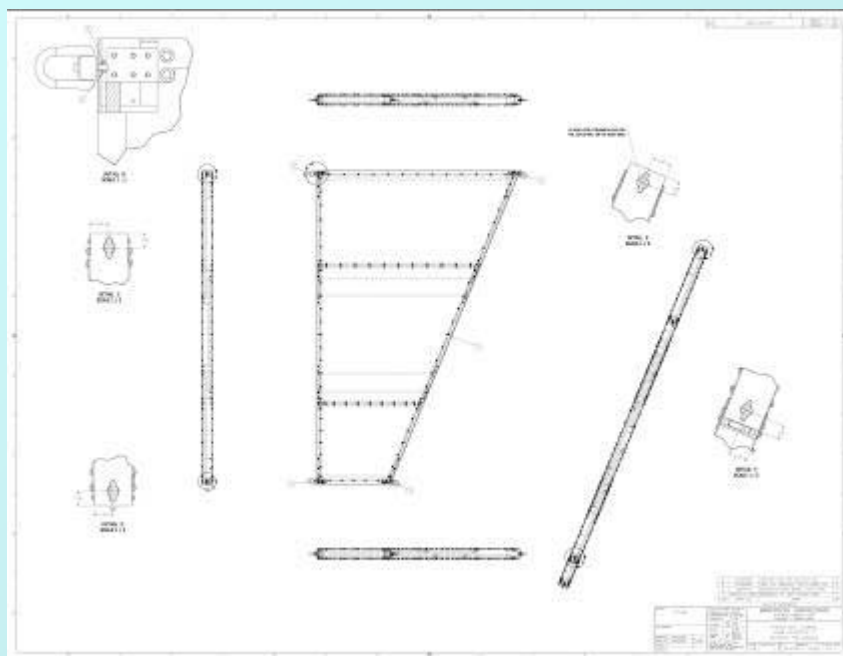


RPC Prototype

Rec'd dim's and lifting points from Larry B.

Ready to start work on RPC prototype installation

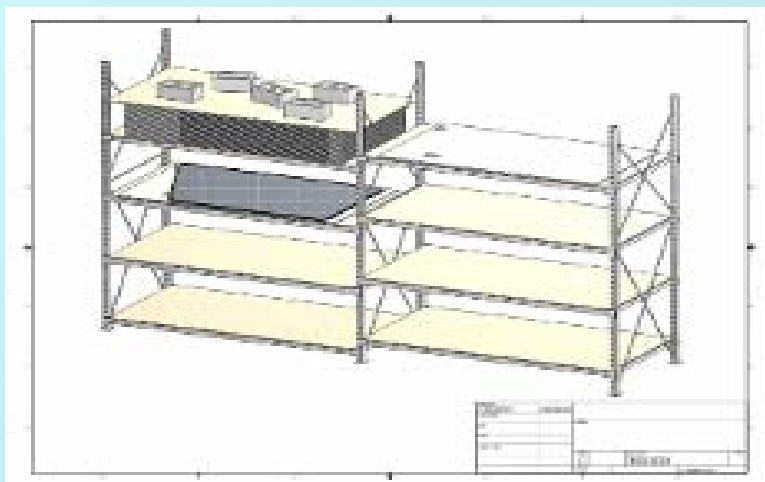
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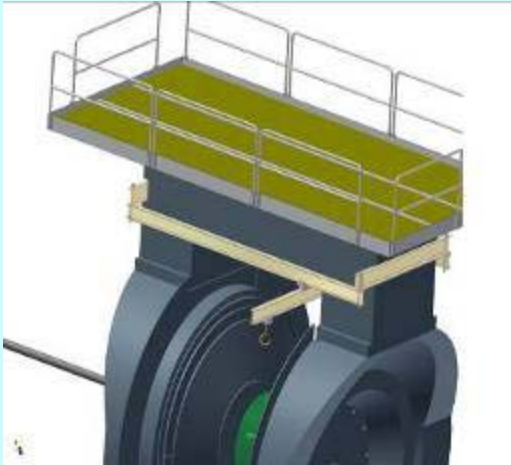
(2) ~1 Ton thru-the-wall AC's
available from CA-D

208V Need isolated electrical source

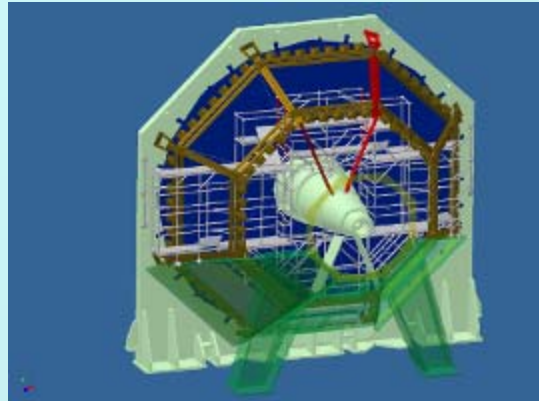
Storage Shelving: 2 additional sets
rec'd. Kenny is assembling them.



Combined CM Crane, MMN & Station 1 scaffolding Review



Crane installation
Postponed until fall



Station 1 platforms rec'd. Remaining
components due ~5/28

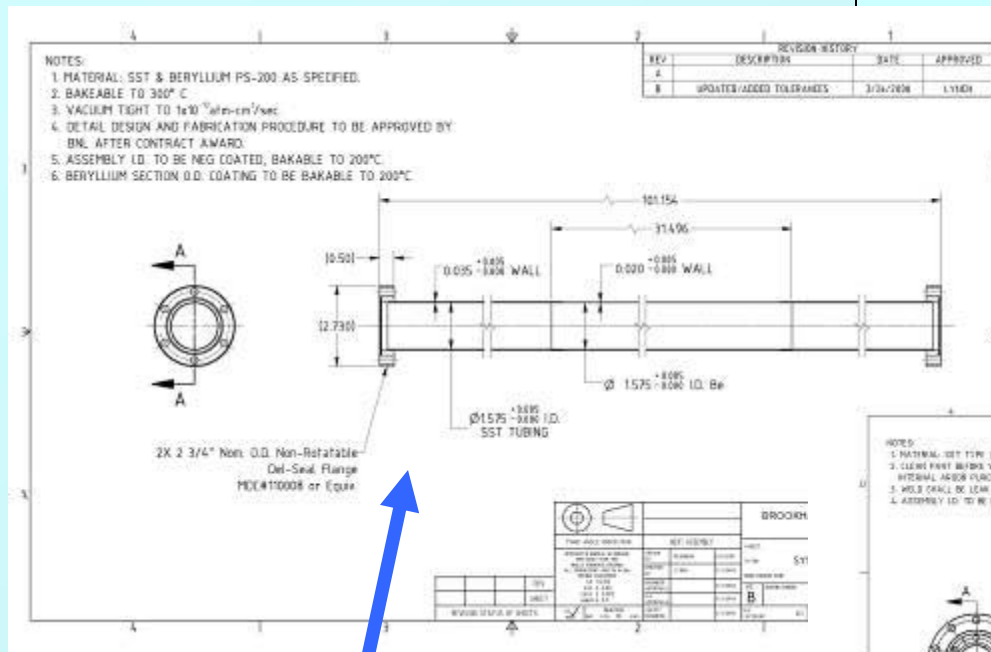
WP is approved

Station 2/3 ready to build. Waiting for
administrative approval and.

New Beampipe Design & Review

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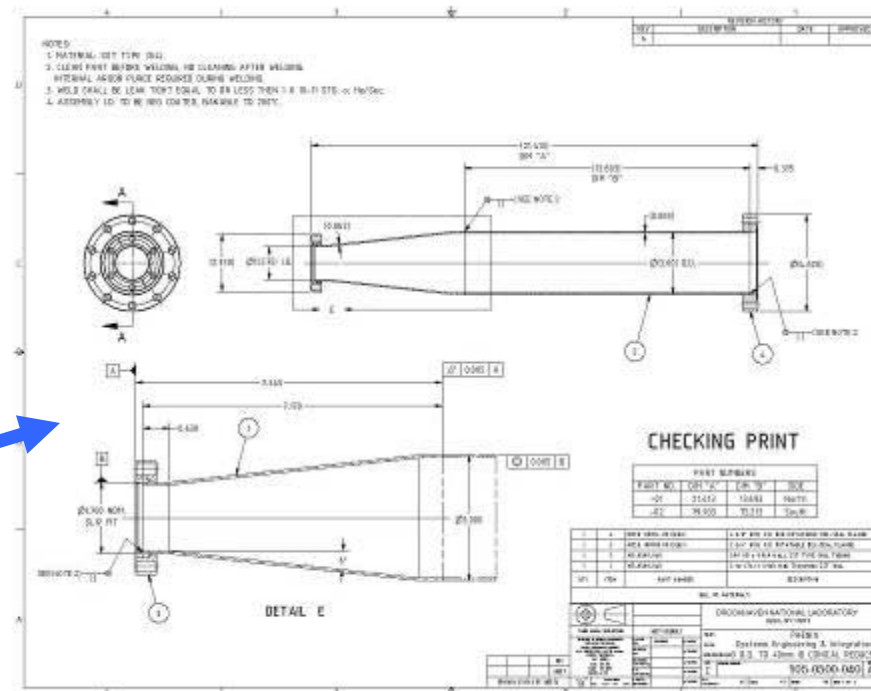
BP designs at SAES for
NEG quote. Meet w/ Brush
Wellman 5/19



SS/Be central beampipe

1-5/8" to 3" transitions

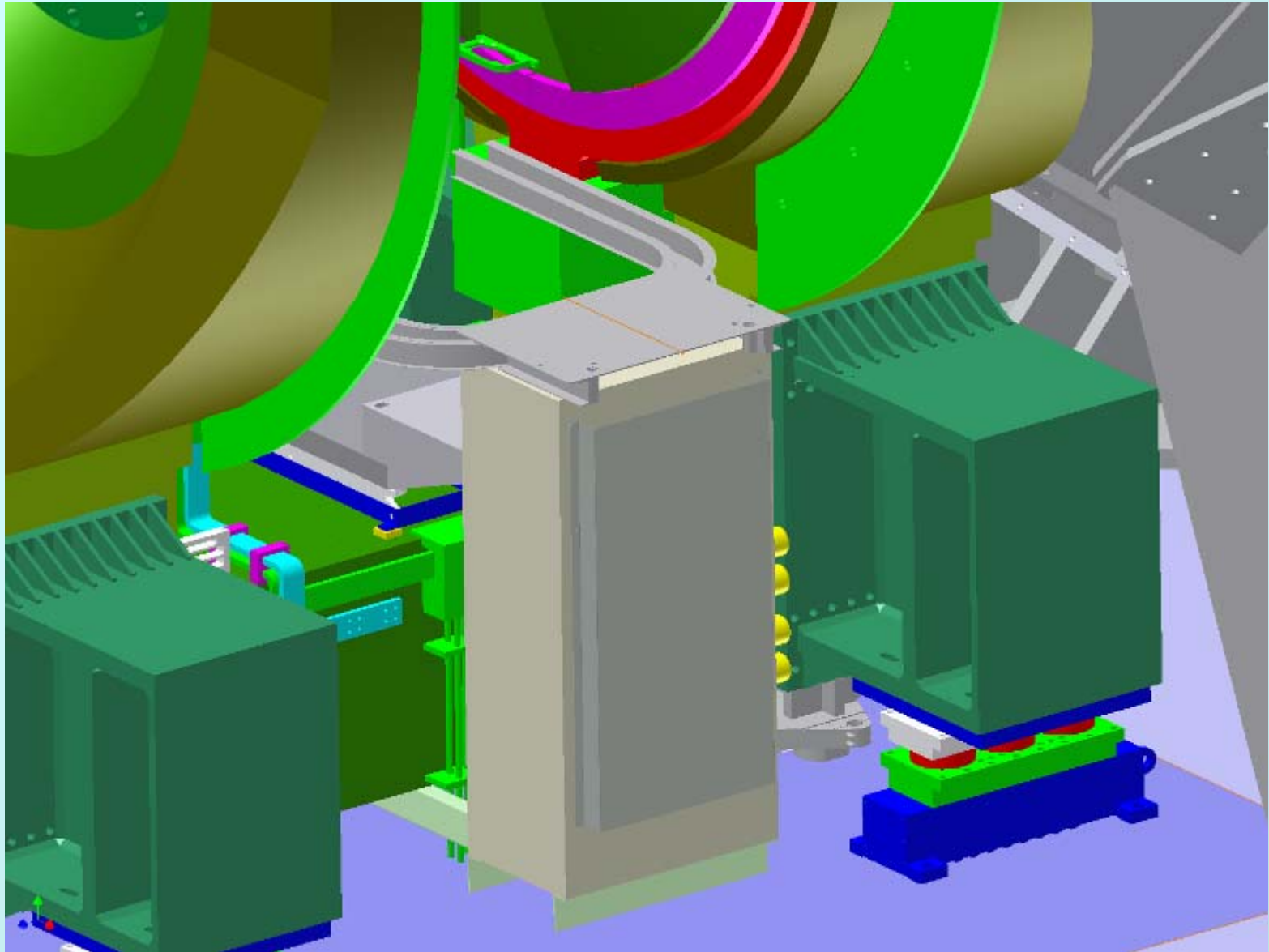
Drawings Done, C-A getting Quotes for NEG coating



CM Access

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Safety, Security, etc.

Requirements for working on MMN scaffolding in MMN: Read and acknowledge (sign) the WP, have current confined space, C-A access, PHENIX awareness and Elec. Safety 1 training, sign the entry log each time you enter. Make sure the scaffold checklist is filled out and signed each time before entering. Follow all instructions and limits described in WP. Check with Jimmy or Carter if you have any questions.

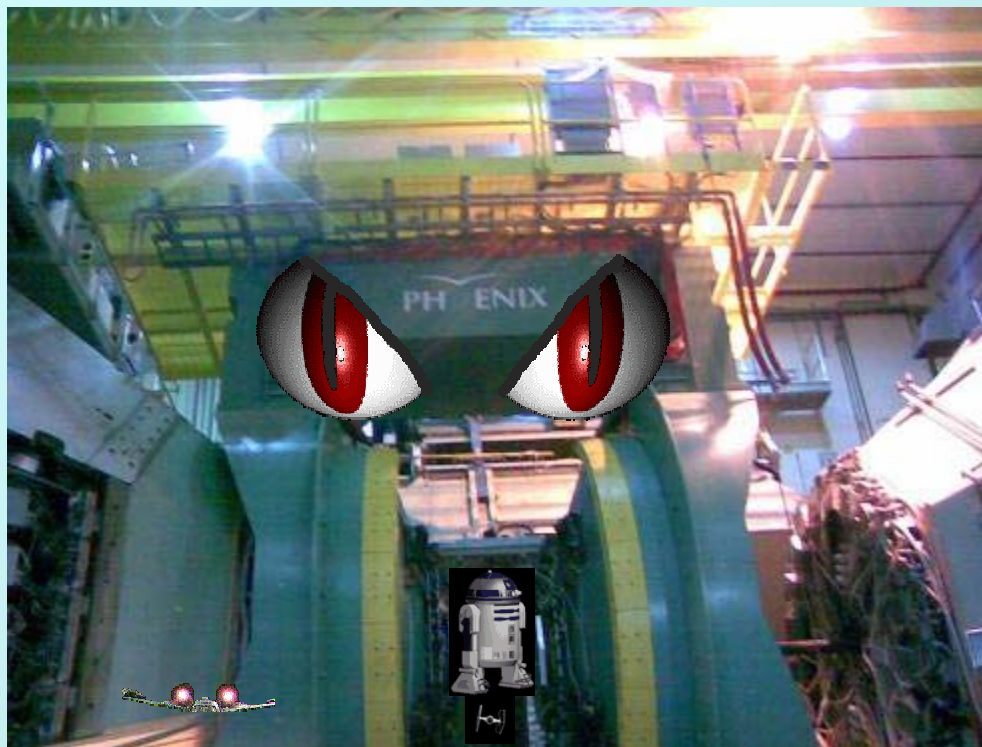
Training Requirements status report sent out:

Most need RAD Worker 1

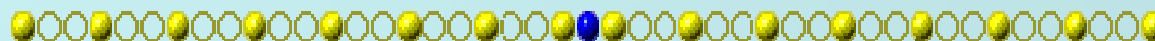


Where To Find PHENIX Engineering Info

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Links for the weekly planning meeting slides, long term planning, pictures, videos and other technical info can be found on the web site:



http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm